

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104832.D
 Acq On : 26 Apr 2018 13:08
 Operator : JU/SJ
 Sample : J2482-04RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-2R

Manual Integrations
 APPROVED

Sohil
 4/27/2018 6:55:01 PM

Quant Time: Apr 27 11:41:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	113535	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	474897	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	217883	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	373489	20.00	ng	0.00
75) Chrysene-d12	13.97	240	228040	20.00	ng	-0.01
86) Perylene-d12	15.44	264	244381	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	669968	90.23	ng	0.00
7) Phenol-d6	6.44	99	816968	89.55	ng	0.00
23) Nitrobenzene-d5	7.36	82	512774	70.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	199655	88.34	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	819542	59.42	ng	0.00
78) Terphenyl-d14	12.92	244	609604	60.95	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.55	163	77276	4.498	ng	100
59) Diethylphthalate	10.25	149	307732	17.984	ng	98
70) Phenanthrene	11.35	178	216077	10.389	ng	98
71) Anthracene	11.40	178	60319	2.853	ng	99
74) Fluoranthene	12.54	202	357335	16.443	ng	98
77) Pyrene	12.77	202	312345	18.479	ng	100
80) Benzo(a)anthracene	13.96	228	153651	11.278	ng	99
82) Chrysene	14.00	228	136374	9.746	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	91685	7.713	ng	94
87) Benzo(b)fluoranthene	15.02	252	196136m	12.707	ng	
88) Benzo(k)fluoranthene	15.04	252	53174m	3.649	ng	
89) Benzo(a)pyrene	15.38	252	140987	10.209	ng	97
90) Dibenzo(a,h)anthracene	16.90	278	25936m	2.287	ng	
91) Benzo(g,h,i)perylene	17.34	276	88806	8.081	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

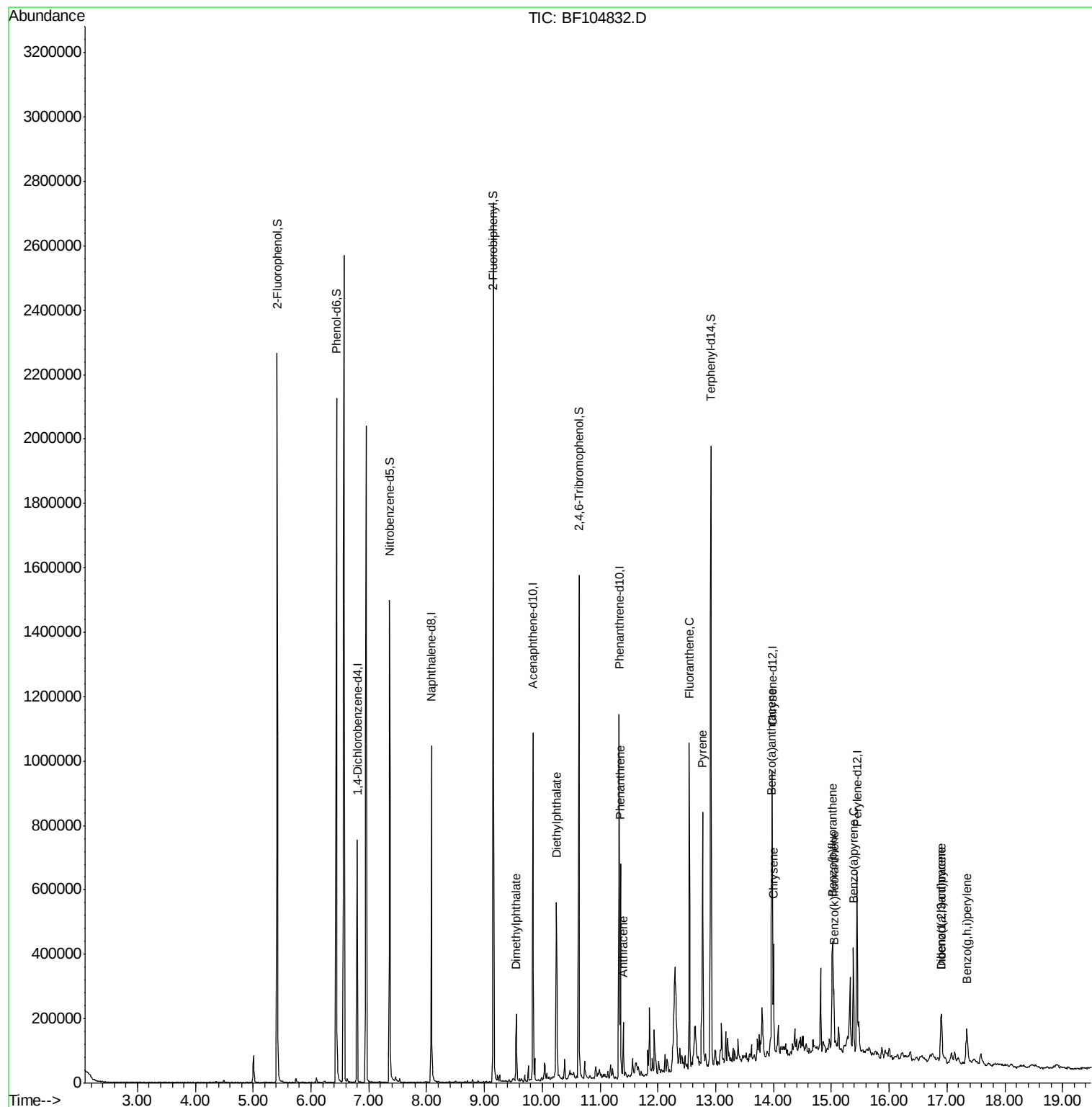
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104832.D
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Sample : J2482-04RE
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ALS Vial : 3 Sample Multiplier: 1

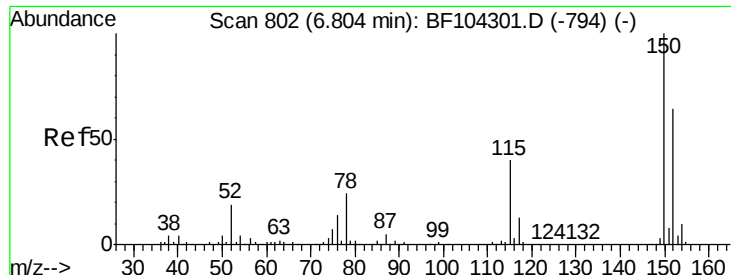
Instrument :
BNA_F
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NORTHLAWN-PRECHAR-AREA-2R

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
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#1

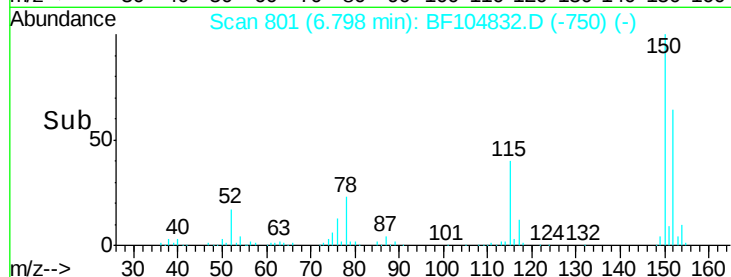
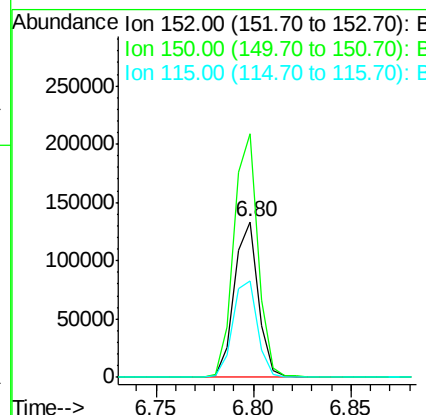
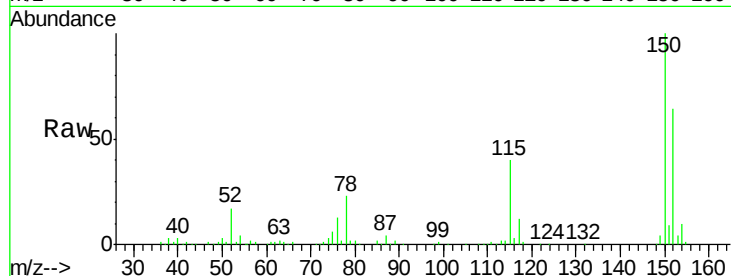
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Instrument :
BNA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-2R

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	62.1	50.1	75.1

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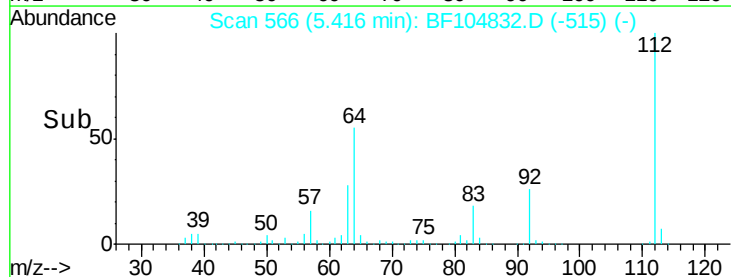
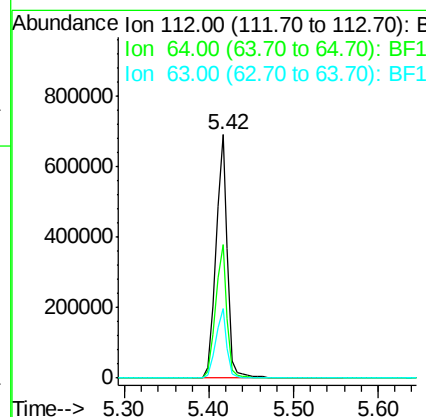
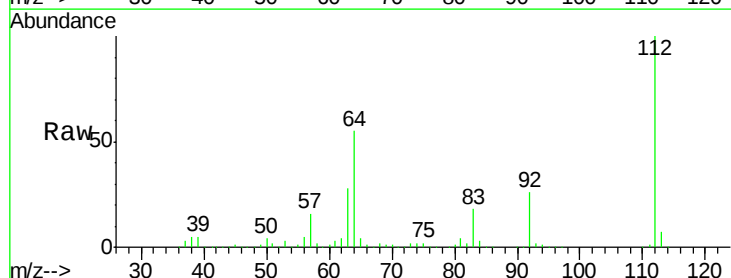
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#5

2-Fluorophenol
Concen: 90.229 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	47.9	71.9
63	28.4	23.7	35.5





#7

Phenol-d6

Concen: 89.549 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Instrument :

BNA_F

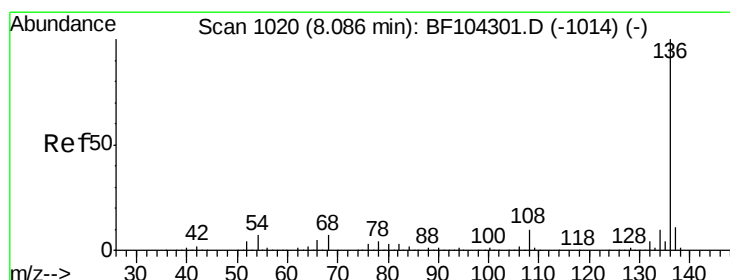
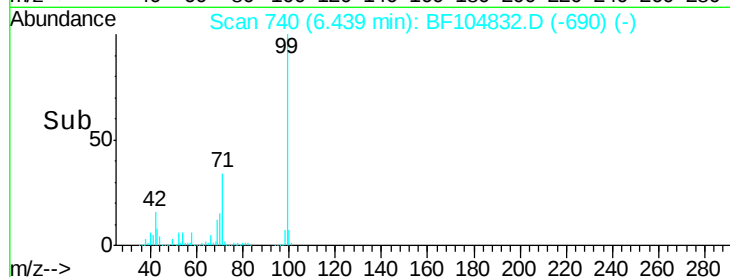
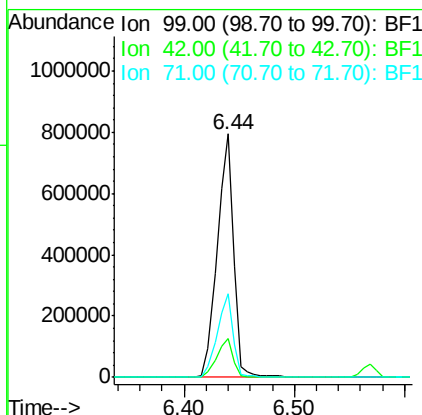
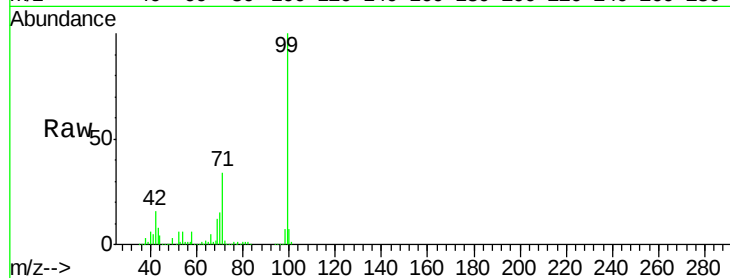
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-2R

Tot Ion:	99	Resp:	816968
Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.5	21.7
71	34.5	25.4	38.0

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

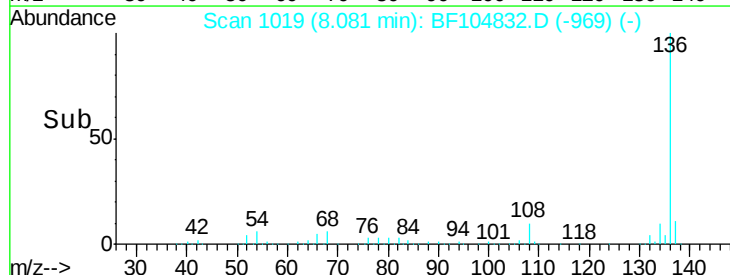
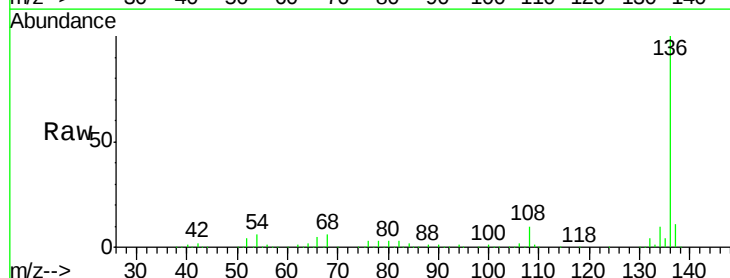
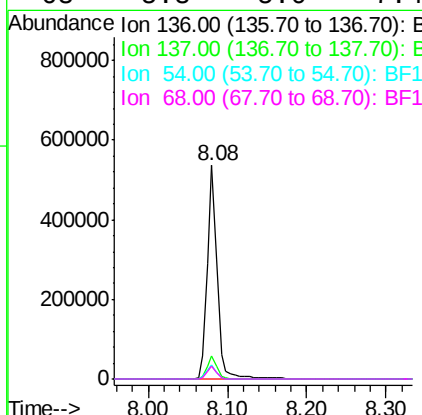
RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Tgt Ion:	136	Resp:	474897
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.5	6.6	9.8#
68	5.8	5.0	7.4





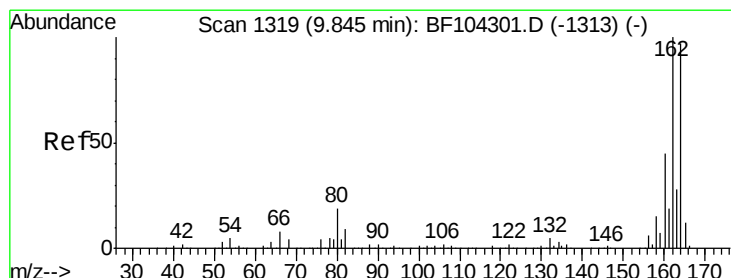
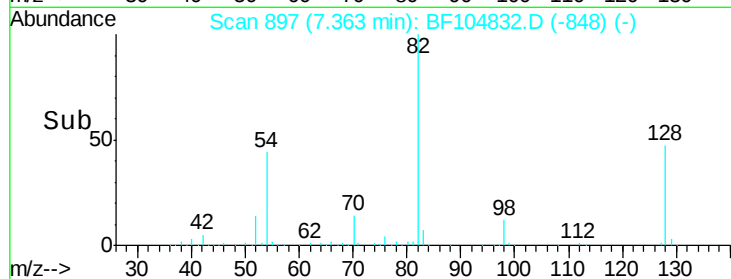
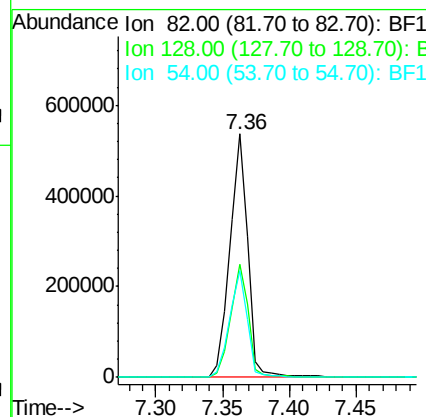
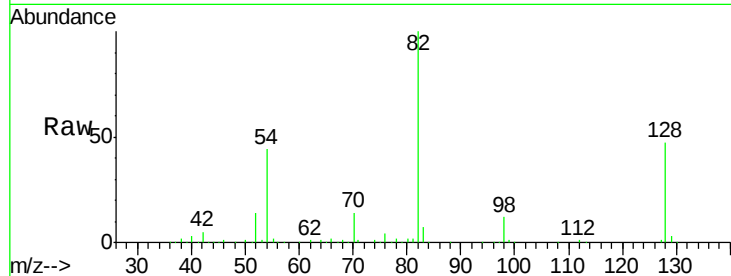
#23
 Nitrobenzene-d5
 Concen: 70.506 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF104832.D
 Acq: 26 Apr 2018 13:08

Instrument :
 BNA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-2R

Tot Ion	Ratio	Resp	Lower	Upper
82	100	512774		
128	46.5		36.1	54.1
54	44.0		41.4	62.2

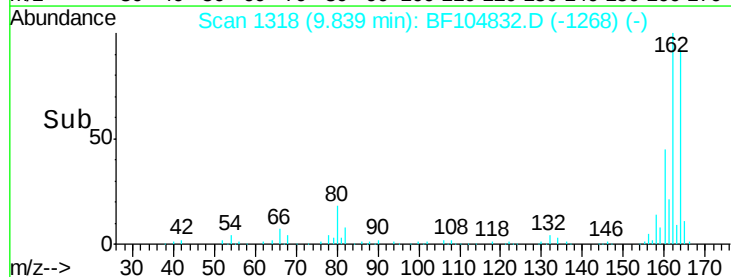
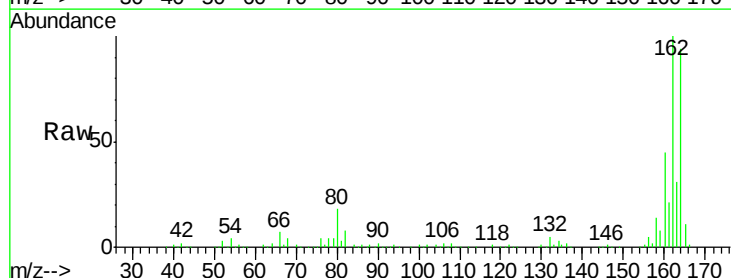
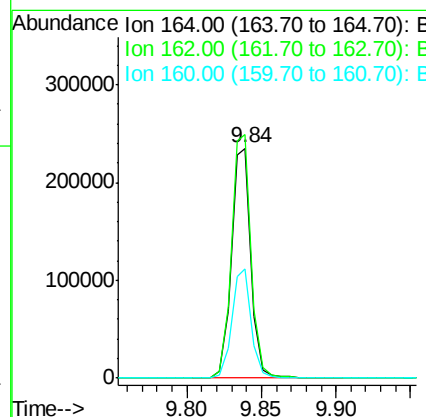
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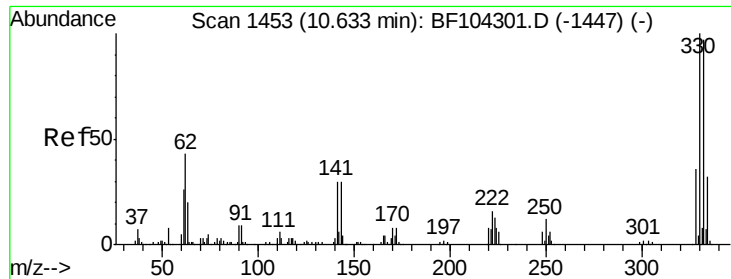
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104832.D
 Acq: 26 Apr 2018 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	217883		
162	106.1		86.1	129.1
160	47.8		38.3	57.5





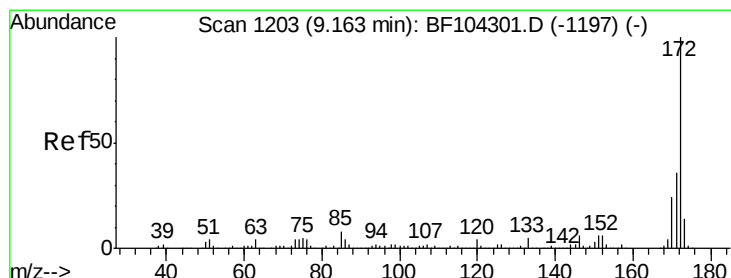
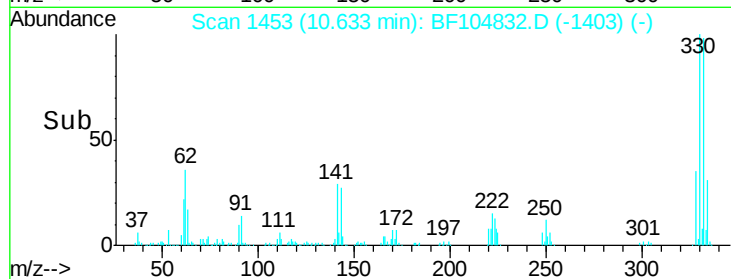
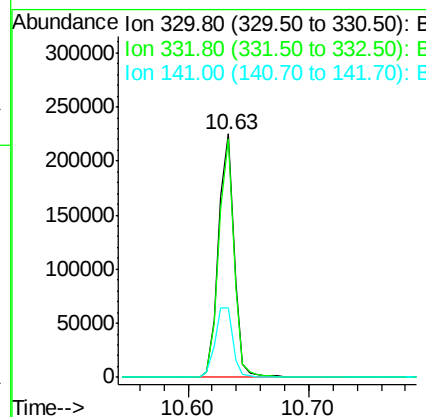
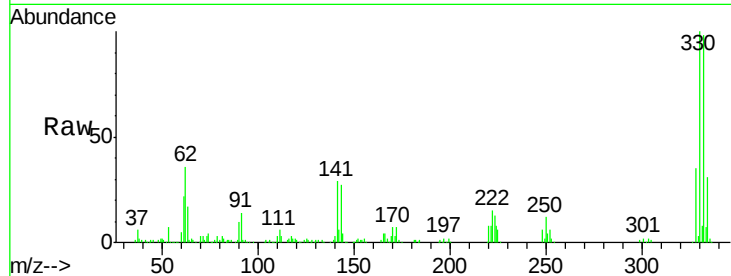
#41
 2,4,6-Tribromophenol
 Concen: 88.337 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104832.D
 Acq: 26 Apr 2018 13:08

Instrument :
 BNA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-2R

Tot Ion	Ratio	Resp	Lower	Upper
330	100	199655		
332	95.6	77.0	115.6	
141	32.8	29.9	44.9	

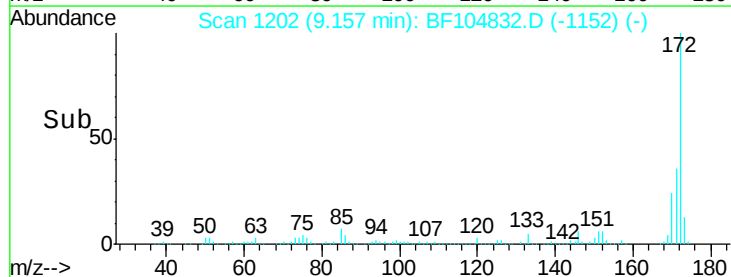
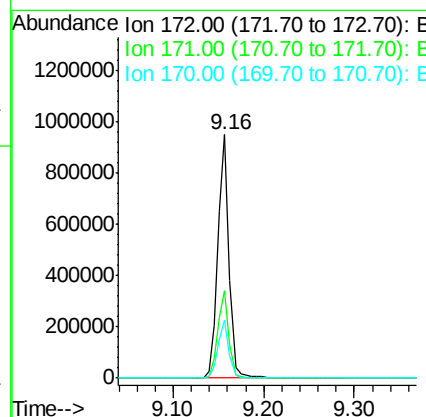
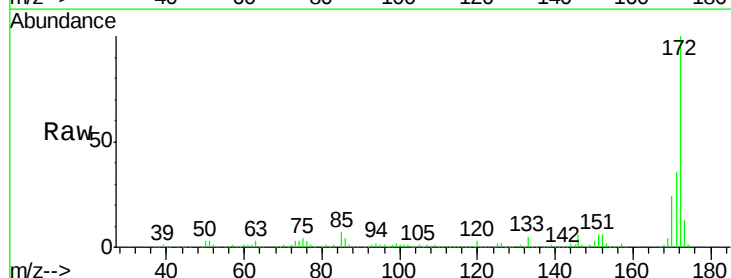
Manual Integrations
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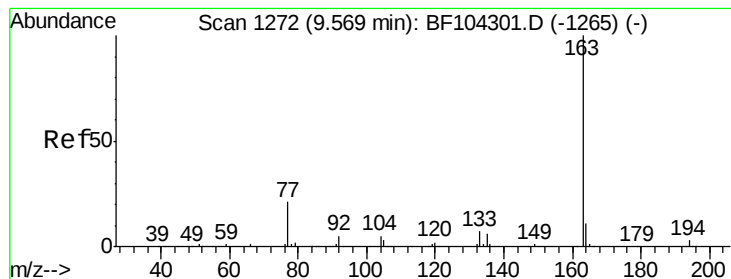
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#44
 2-Fluorobiphenyl
 Concen: 59.421 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104832.D
 Acq: 26 Apr 2018 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	819542		
171	35.9	29.7	44.5	
170	23.9	19.6	29.4	





#49

Dimethylphthalate

Concen: 4.498 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Instrument :

BNA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-2R

Tot Ion:163 Resp: 77276

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

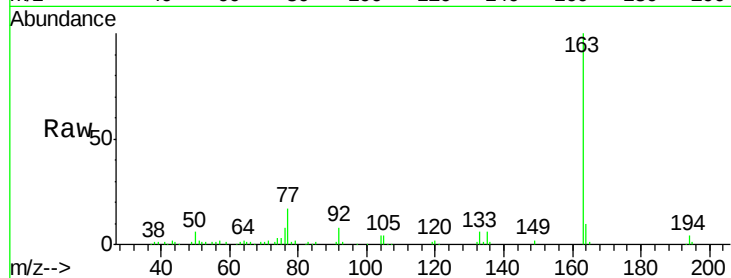
164 10.2 8.2 12.2

Manual Integrations

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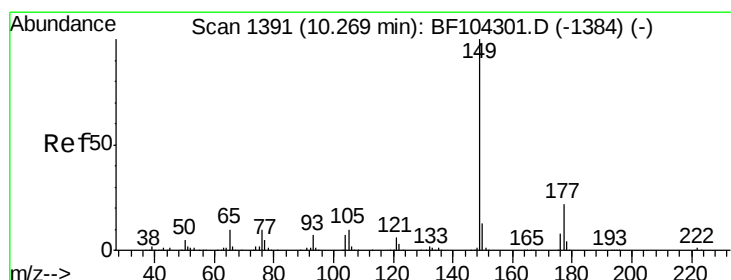
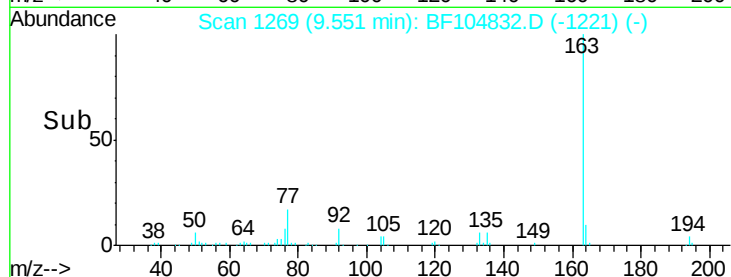
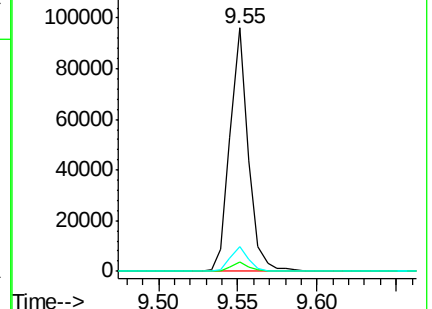
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#59

Diethylphthalate

Concen: 17.984 ng

RT: 10.25 min Scan# 1387

Delta R.T. -0.02 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

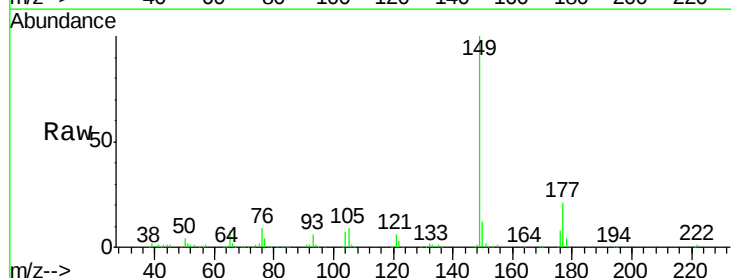
Tgt Ion:149 Resp: 307732

Ion Ratio Lower Upper

149 100

177 21.3 16.1 24.1

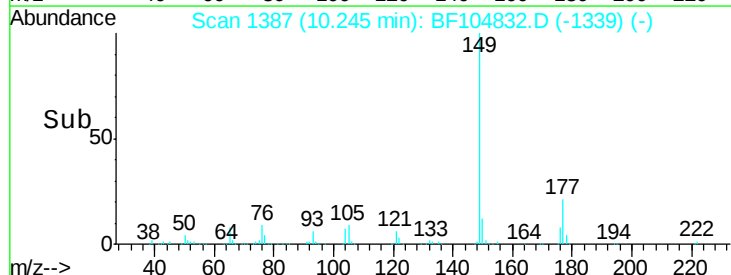
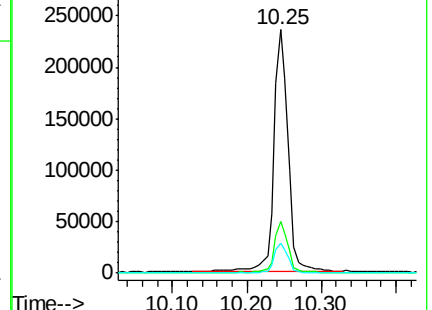
150 12.2 10.1 15.1

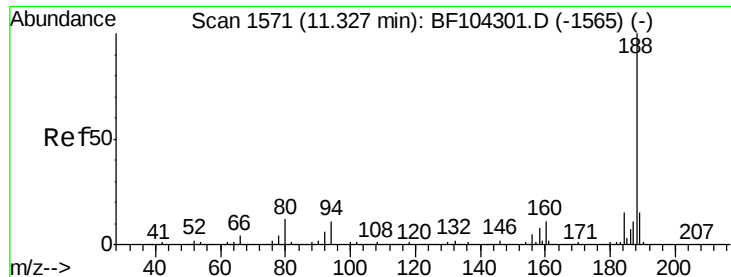


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





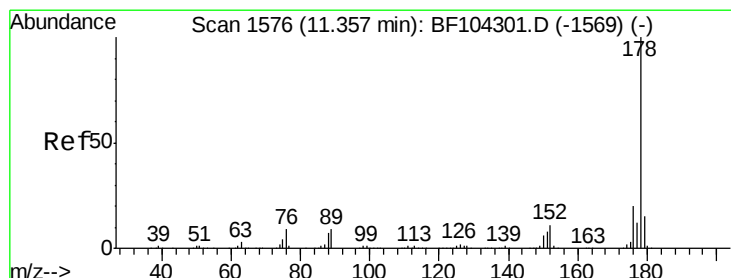
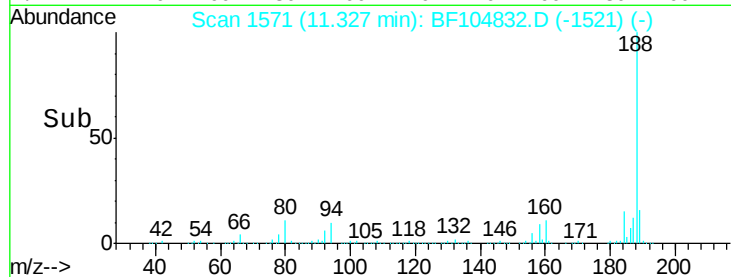
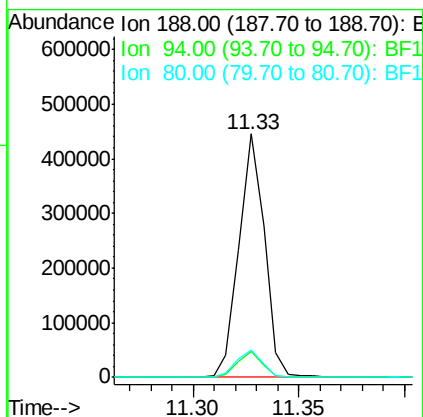
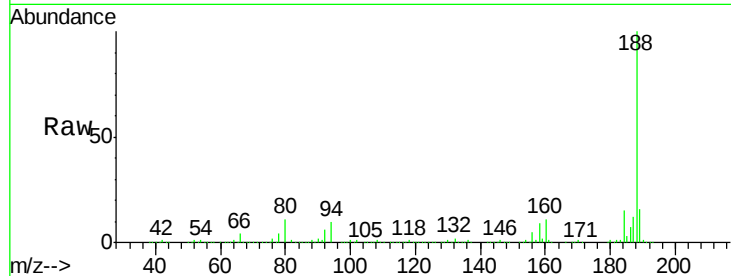
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Instrument :
BNA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-2R

Tot Ion	Ratio	Resp	Lower	Upper
188	100	373489		
94	10.5		8.5	12.7
80	11.3		9.2	13.8

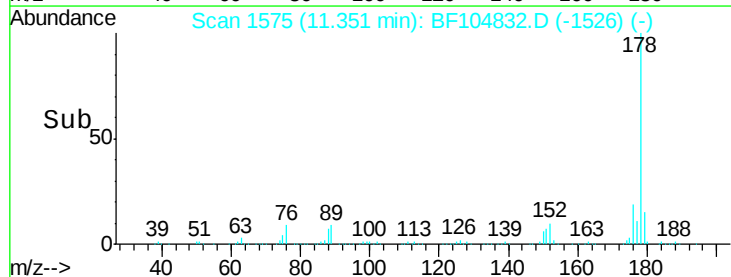
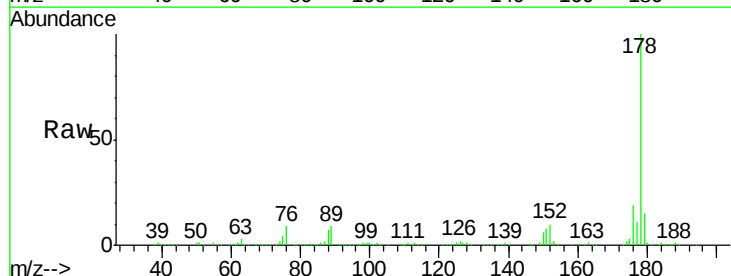
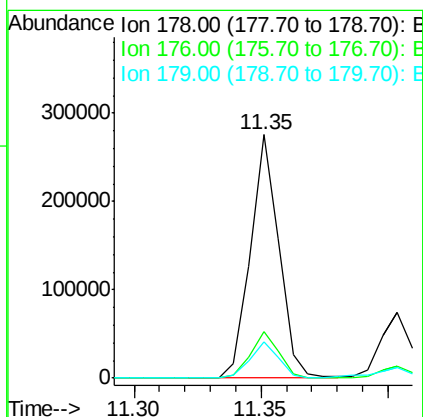
Manual Integrations
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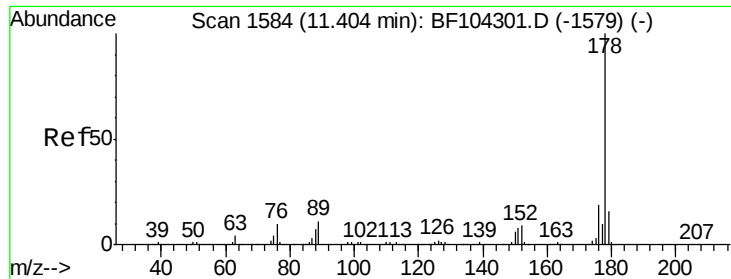
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#70
Phenanthrene
Concen: 10.389 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	216077		
176	19.0		15.8	23.8
179	15.2		13.0	19.6





#71

Anthracene

Concen: 2.853 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Instrument :

BNA_F

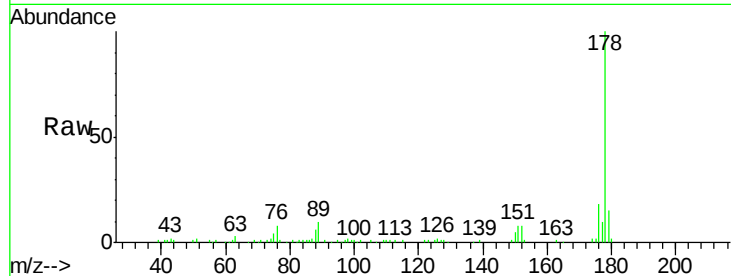
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-2R

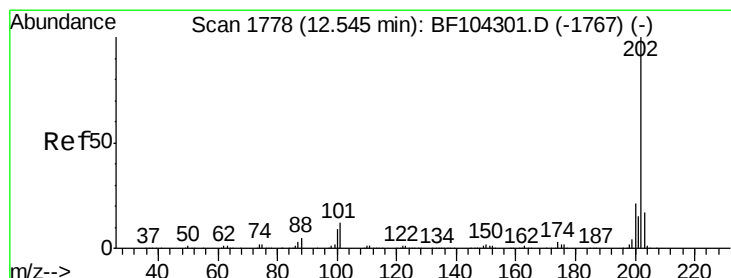
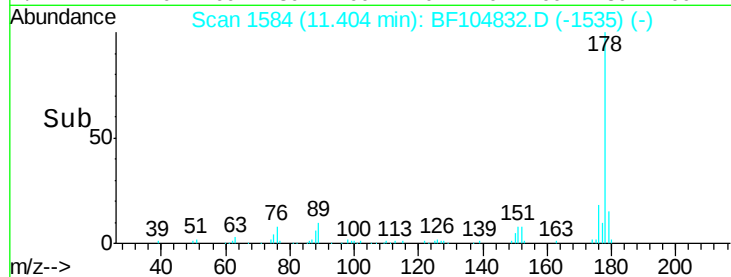
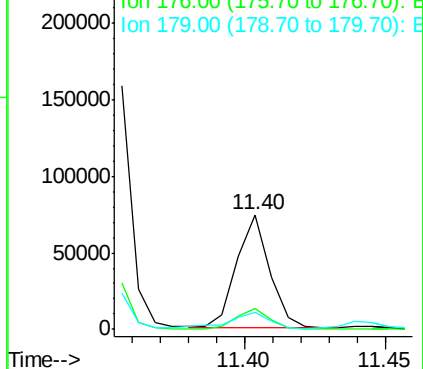
Tot Ion:178	Resp:	60319
Ion Ratio	Lower	Upper
178	100	
176	18.4	15.4 23.2
179	15.4	12.6 19.0

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 16.443 ng

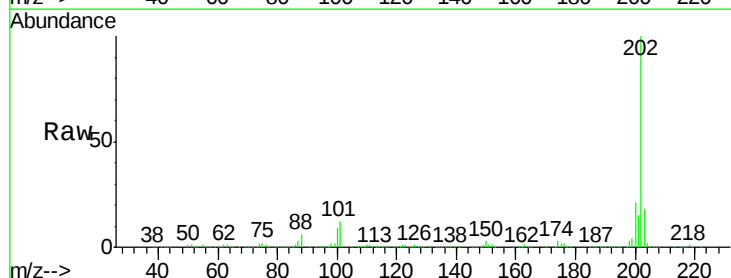
RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

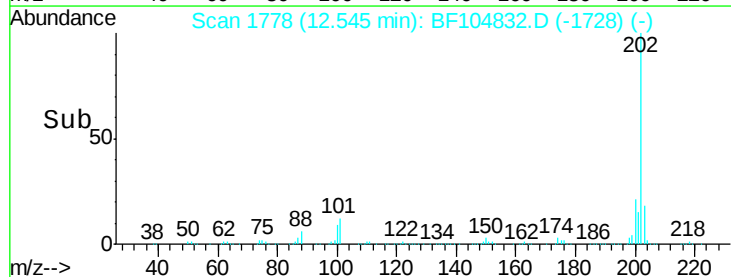
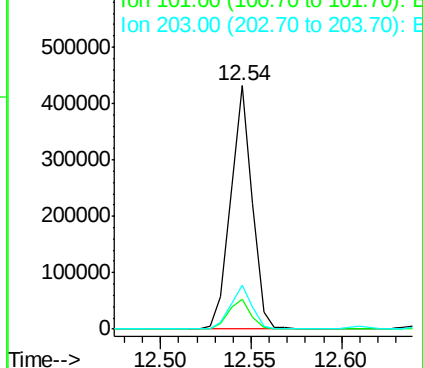
Lab File: BF104832.D

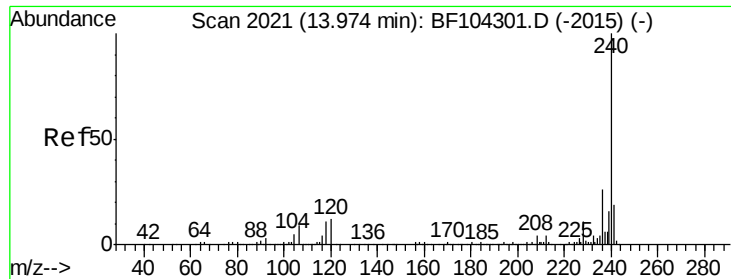
Acq: 26 Apr 2018 13:08

Tgt Ion:202	Resp:	357335
Ion Ratio	Lower	Upper
202	100	
101	12.2	0.0 34.1
203	17.8	0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Instrument :

BNA_F

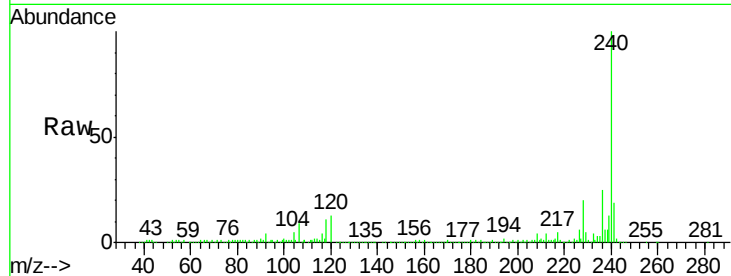
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-2R

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.5	14.3
236	25.4	20.7	31.1

Manual Integrations
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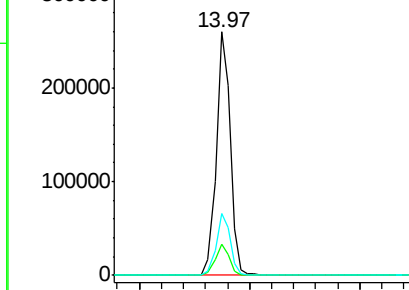
Sohil
4/27/2018 6:55:01 PM



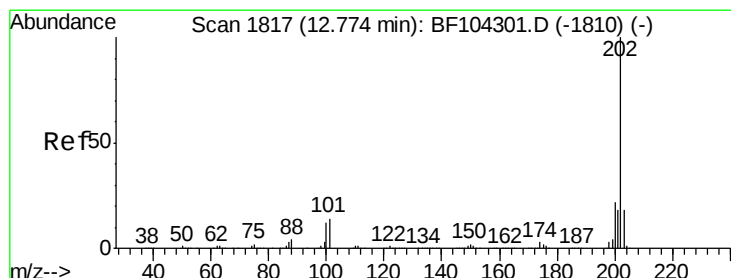
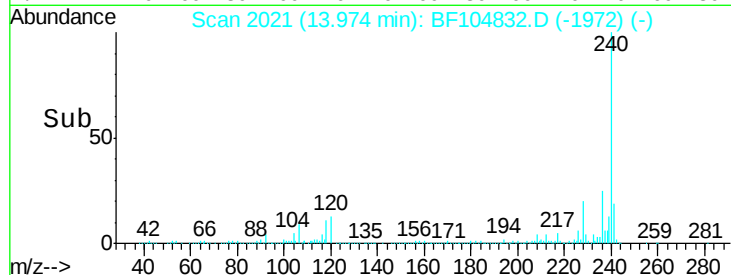
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 18.479 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104832.D

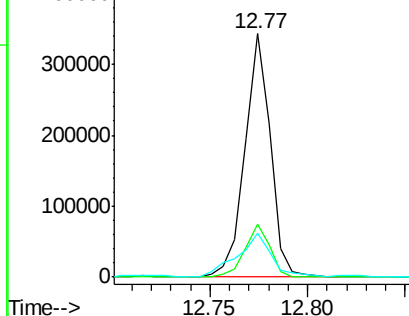
Acq: 26 Apr 2018 13:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.8	14.3	21.5

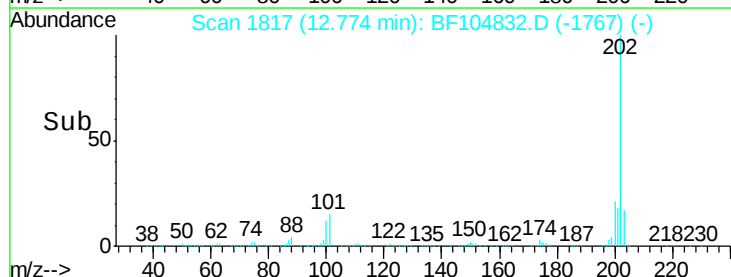
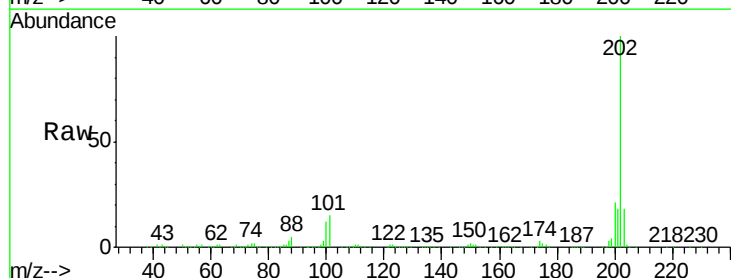
Abundance Ion 202.00 (201.70 to 202.70): E

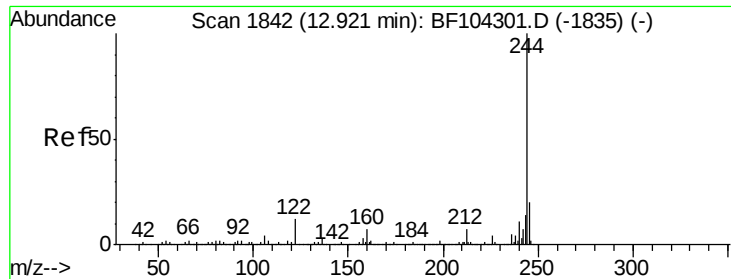
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 60.945 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Instrument :

BNA_F

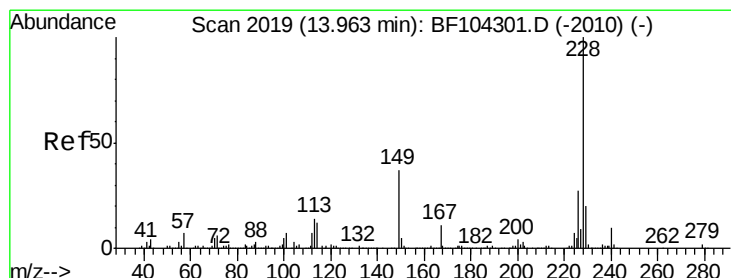
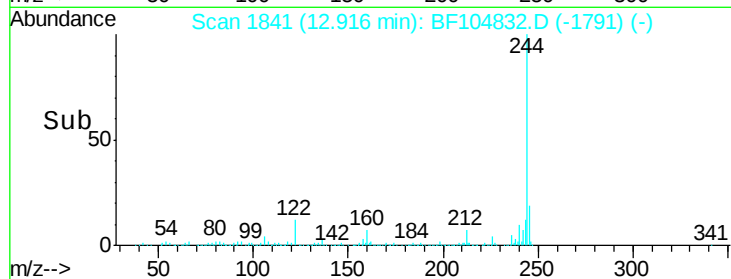
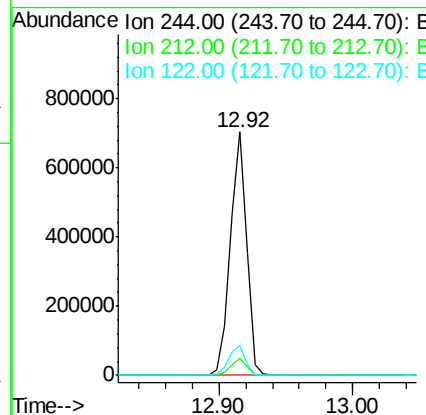
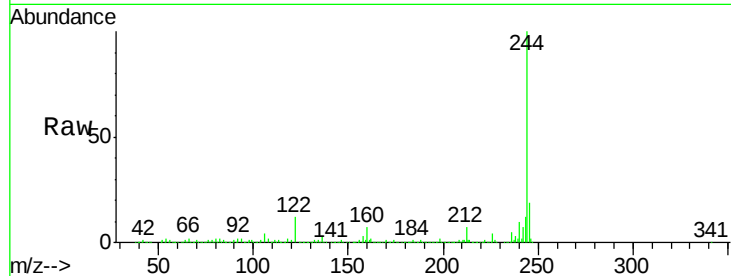
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-2R

Tot Ion:	244	Resp:	609604
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.1	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 11.278 ng

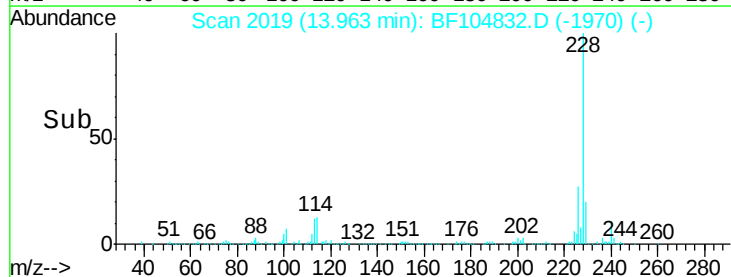
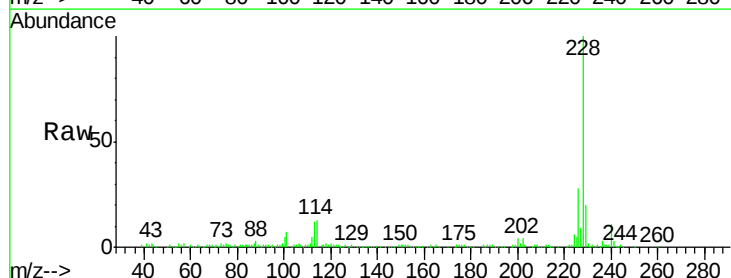
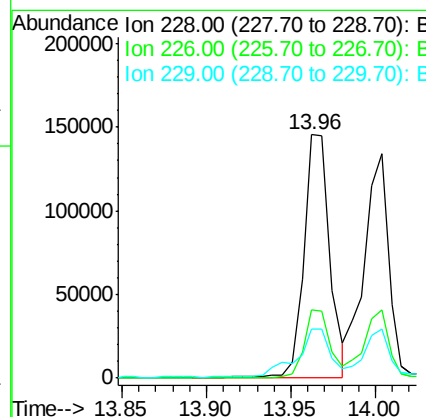
RT: 13.96 min Scan# 2019

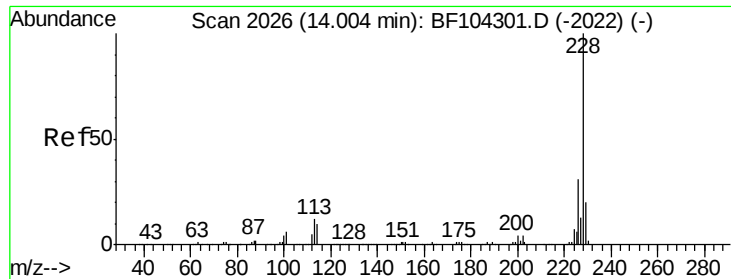
Delta R.T. -0.01 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Tgt Ion:	228	Resp:	153651
Ion Ratio		Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.1	15.8	23.6





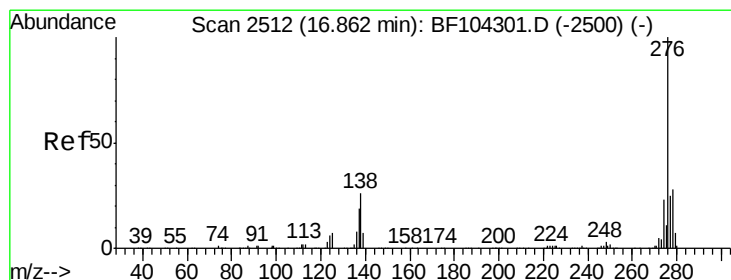
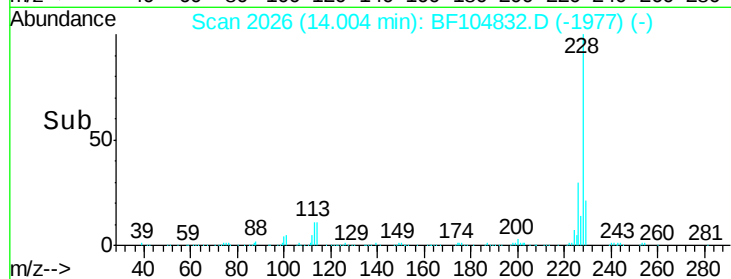
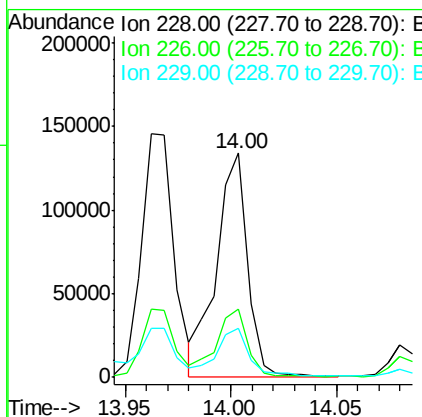
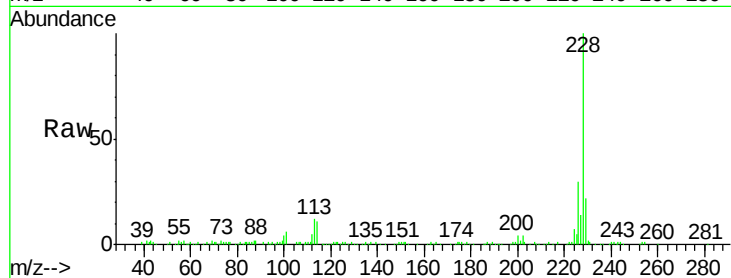
#82
Chrysene
Concen: 9.746 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Instrument :
BNA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-2R

Tot Ion:228	Resp:	136374
Ion Ratio	Lower	Upper
228 100		
226 30.4	25.0	37.6
229 21.9	16.2	24.4

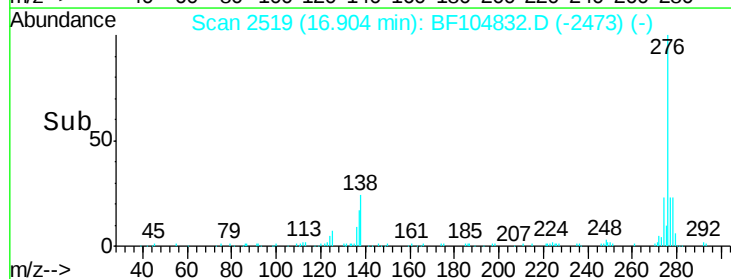
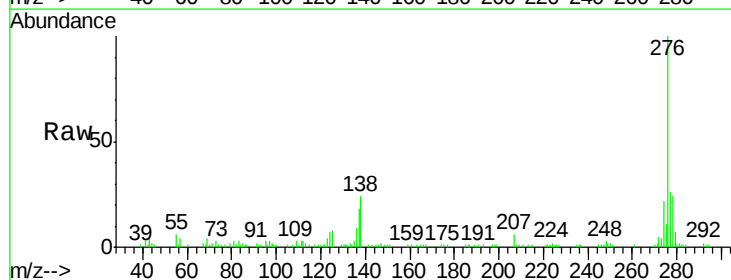
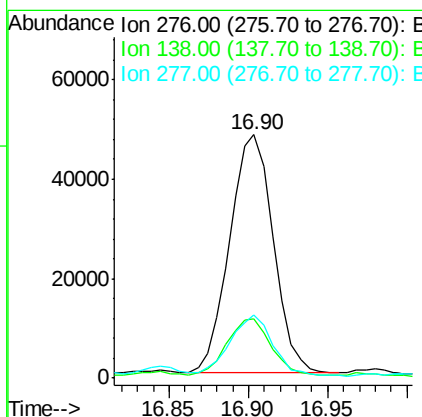
Manual Integrations
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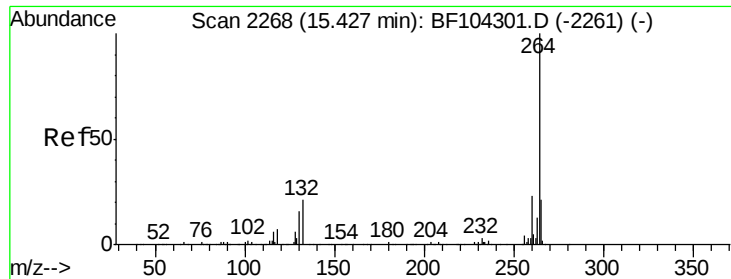
Sohil
4/27/2018 6:55:01 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.713 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.03 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Tgt Ion:276	Resp:	91685
Ion Ratio	Lower	Upper
276 100		
138 25.9	25.0	37.6
277 25.2	20.1	30.1





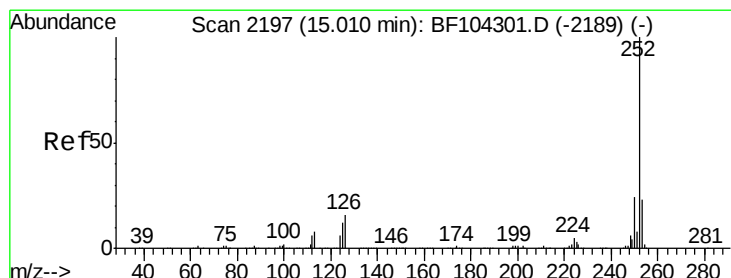
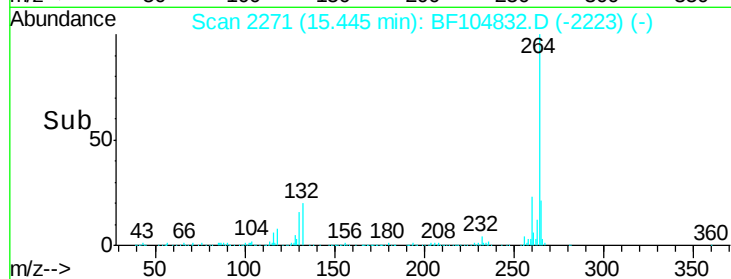
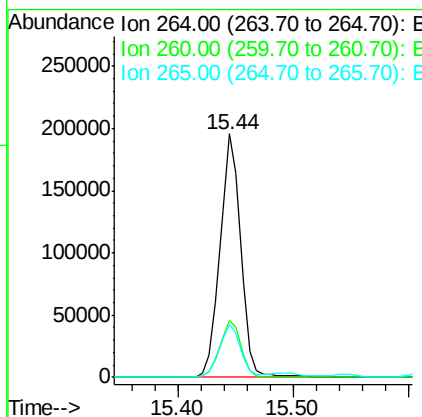
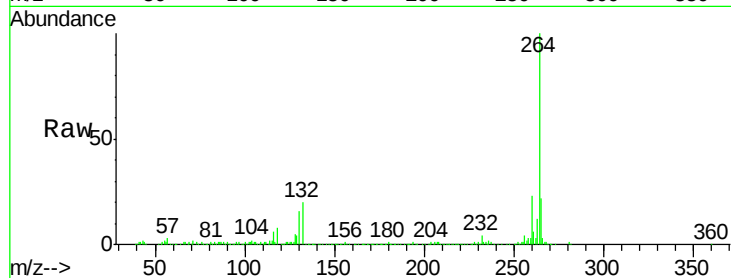
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Instrument :
BNA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-2R

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.6	17.5	26.3

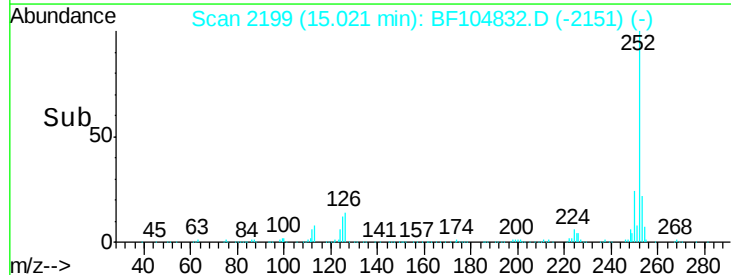
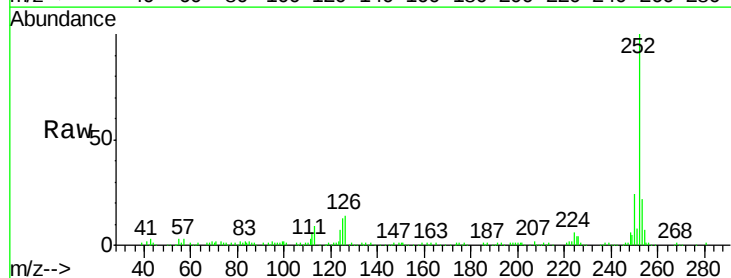
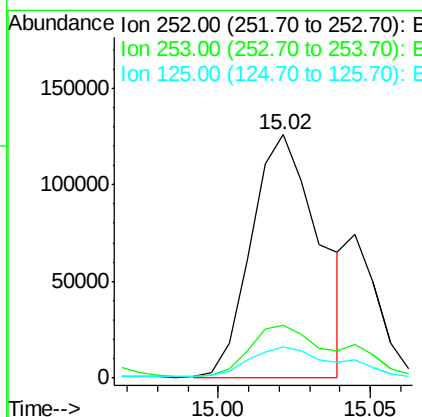
Manual Integrations
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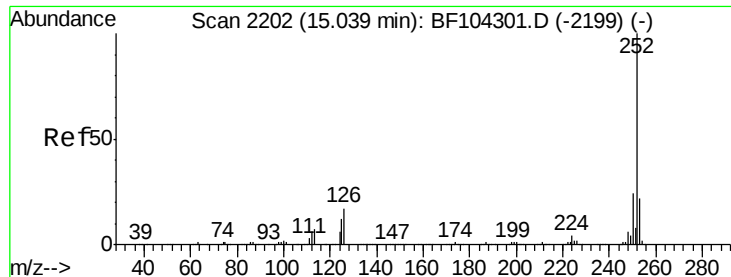
Sohil
4/27/2018 6:55:01 PM



#87
Benzo(b)fluoranthene
Concen: 12.707 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	12.6	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 3.649 ng m

RT: 15.04 min Scan# 2203

Delta R.T. -0.02 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Instrument :

BNA_F

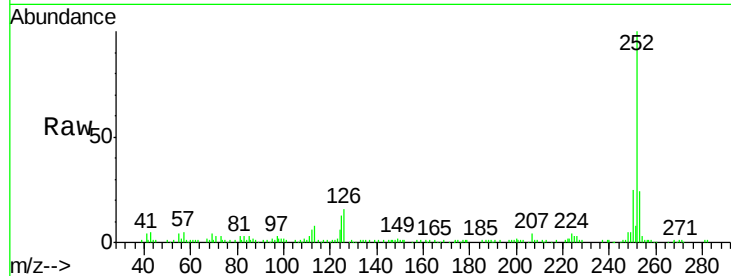
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-2R

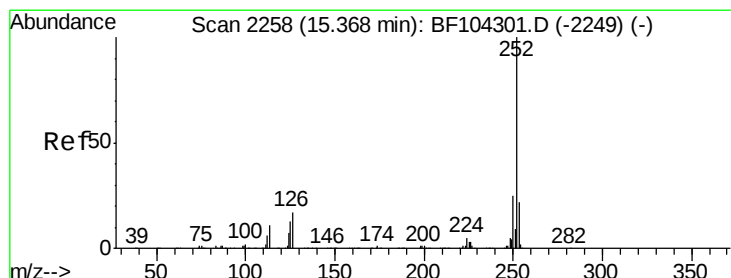
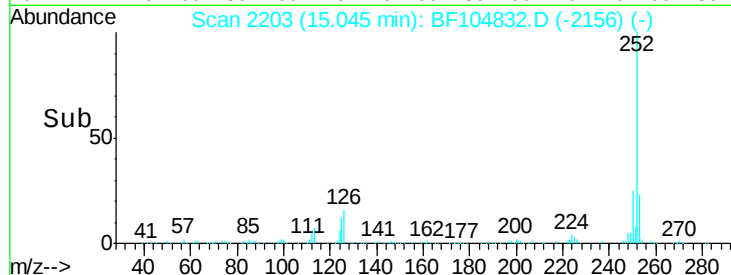
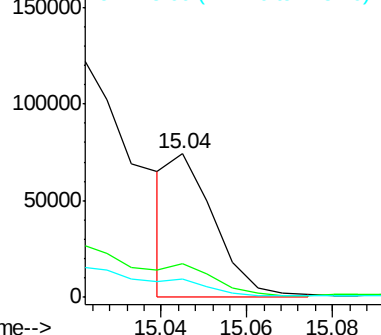
Tot Ion:252	Resp:	53174
Ion Ratio	Lower	Upper
252	100	
253	23.5	17.9 26.9
125	12.8	10.2 15.2

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 10.209 ng

RT: 15.38 min Scan# 2260

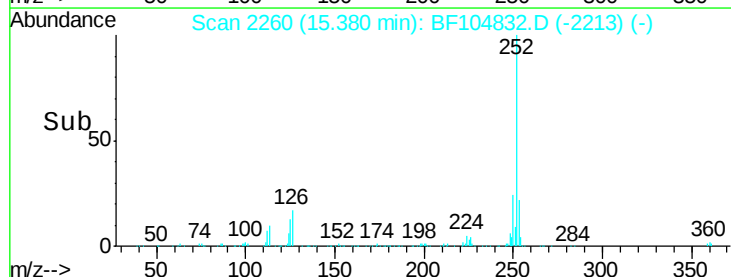
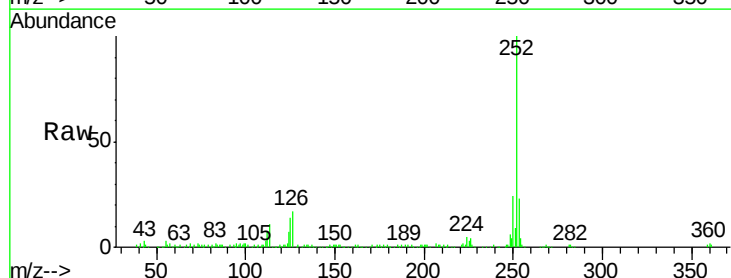
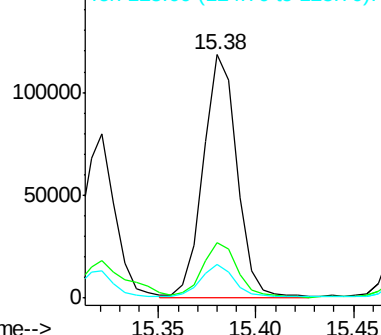
Delta R.T. -0.02 min

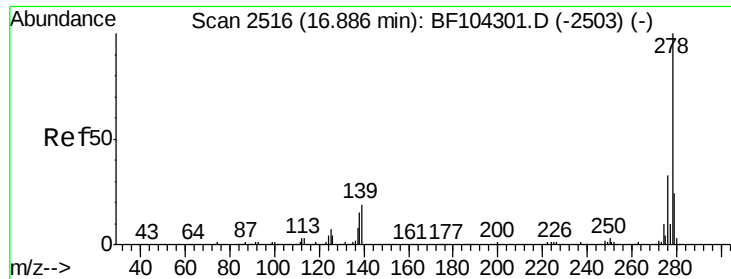
Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Tgt Ion:252	Resp:	140987
Ion Ratio	Lower	Upper
252	100	
253	22.8	17.1 25.7
125	13.8	9.8 14.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.287 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.05 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Instrument :

BNA_F

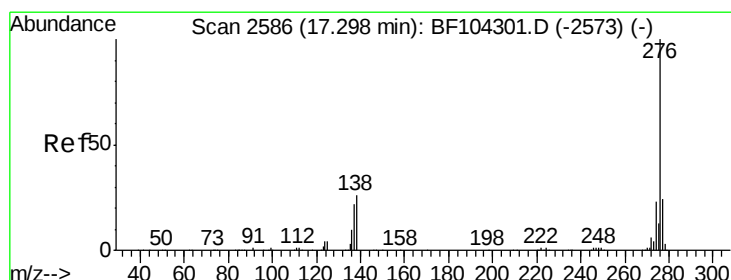
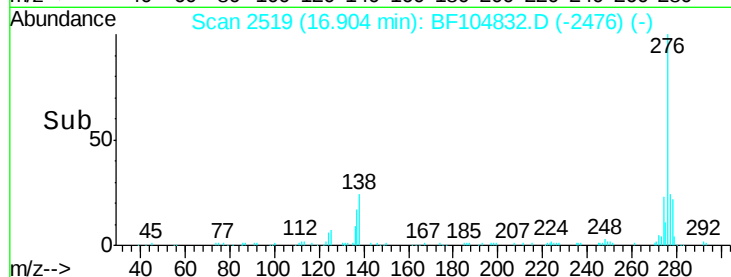
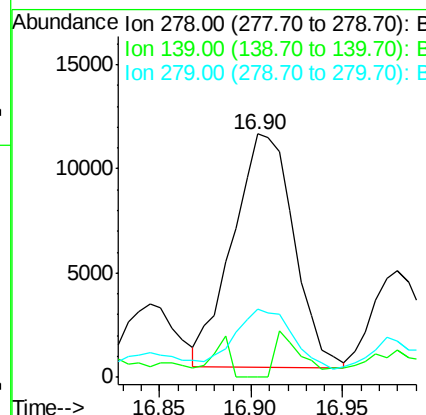
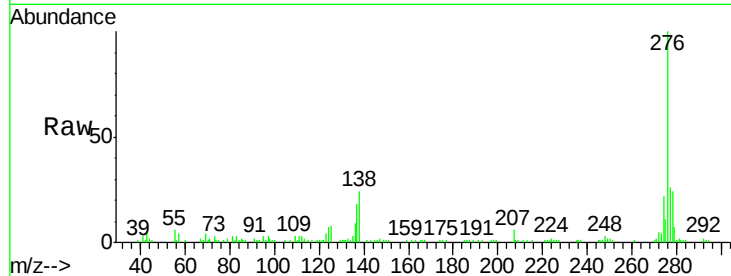
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-2R

Tot Ion:	278	Resp:	25936
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	27.8	19.0	28.4

Manual Integrations
APPROVED

Sohil
4/27/2018 6:55:01 PM



#91

Benzo(g,h,i)perylene

Concen: 8.081 ng

RT: 17.34 min Scan# 2594

Delta R.T. -0.04 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Tgt Ion:	276	Resp:	88806
Ion Ratio	Lower	Upper	
276	100		
277	25.4	17.9	26.9
138	24.5	21.8	32.8

